

# INDEX

Click on a material to see it in the catalog

Angles	
Bar Size .....	11
Structural.....	12-13
Beams	
Junior .....	8
Structural I.....	2
Wide Flange.....	3-7
Channels	
Bar Size .....	8
Car and Ship Building .....	10
Junior .....	8
Structural.....	9
Expanded Metal.....	26-27
Flats.....	20-22
Rounds - Hot & Cold.....	14-18
Squares .....	18
Strip .....	19
Floor Plate .....	25
Hot Rolled Commercial Quality Sheets .....	25
Universal Mill Steel Plates .....	23
Hot Rolled Plates.....	24
Pipe	
Plain End Seamless & Welded Pipe .....	29-30
Rebar.....	28
Steel Grating.....	28
Remesh .....	28
Square & Rectangular Structural Steel Tubing.....	31-38
Metal Building Components.....	39

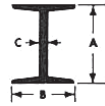
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the **Yaffe**  
companies, inc.



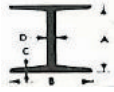
## STRUCTURAL I BEAMS ASTM-A36 & ASTM A529



Size Inches	Wt. per ft., Lb.	Width of Flange, Ins.	Thickness of Web, Ins.	Weight of 40'
3	5.7	2.330	.170	228
	7.5	2.509	.349	300
4	7.7	2.663	.193	308
	9.5	2.796	.326	380
5	10.0	3.004	.214	400
	14.75	3.284	.494	590
6	12.5	3.332	.232	500
	17.25	3.565	.465	690
7	15.3	3,662	.252	612
	20.0	3.860	.450	800
8	18.4	4.001	.271	736
	23.0	4.171	.441	920
10	25.4	4.661	.311	1,016
	35,0	4.944	.594	1,400
12	31.8	5.000	.350	1,272
	35.0	5.078	.428	1,400
	40.8	5.252	.462	1,632
	50.0	5.477	.687	2,000
15	42.9	5.501	.411	1,716
	50.0	5.640	.550	2,000
18	54.7	6.001	.461	2,188
	70.0	6.251	.711	2,800
20	66.0	6.255	.505	2,640
	75.0	6.385	.635	3,000
	86.0	7.060	.660	3,440
	96.0	7.200	.800	3,840
24	80.0	7.000	.500	3,200
	90.0	7.125	.625	3,600
	100.0	7.245	.745	4,000
	106.0	7.870	.620	4,240
	121.0	8.050	.800	4,840

Inquire Regarding: Sizes or grades not listed

## WIDE FLANGE BEAMS ASTM A992 & ASTM A-36



	Size in In.		Flange in In.			
	Section and Size	Depth of Section	Width B	Thickness C	Thickness of Web D	
		A				
W	4 x 13	4 1/8	4	3/8	1/4	
W	5 x 16	5	5	3/8	1/4	
W	5 x 19	5 1/8	5	7/16	1/4	
W	6 x 9	5 7/8	4	3/16	3/16	
W	6 x 12	6	4	1/4	1/4	
W	6 x 16	6 1/4	4	3/8	1/4	
W	6 x 15	6	6	1/4	1/4	
W	6 x 20	6 1/4	6	3/8	1/4	
W	6 x 25	6 3/8	6 1/8	7/16	5/16	
W	8 x 10	7 7/8	4	3/16	3/16	
W	8 x 13	8	4	1/4	1/4	
W	8 x 15	8 1/8	4	5/16	1/4	
W	8 x 18	8 1/8	5 1/4	5/16	1/4	
W	8 x 21	8 1/4	5 1/4	3/8	1/4	
W	8 x 24	7 7/8	6 1/2	3/8	1/4	
W	8 x 28	8	6 1/2	7/16	5/16	
W	8 x 31	8	8	7/16	5/16	
W	8 x 35	8 1/8	8	1/2	5/16	
W	8 x 40	8 1/4	8 1/8	9/16	3/8	
W	8 x 48	8 1/2	8 1/8	11/16	3/8	
W	8 x 58	8 3/4	8 1/4	13/16	1/2	
W	8 x 67	9	8 1/4	15/16	9/16	
W	10 x 12	9 7/8	4	3/16	3/16	
W	10 x 15	10	4	1/4	1/4	
W	10 x 17	10 1/8	4	5/16	1/4	
W	10 x 19	10 1/4	4	3/8	1/4	
W	10 x 22	10 1/8	5 3/4	3/8	1/4	
W	10 x 26	10 3/8	5 3/4	7/16	1/4	
W	10 x 30	10 1/2	5 3/4	1/2	5/16	
W	10 x 33	9 3/4	8	7/16	5/16	
W	10 x 39	9 7/8	8	1/2	5/16	
W	10 x 45	10 1/8	8	5/8	3/8	
W	10 x 49	10	10	9/16	5/16	
W	10 x 54	10 1/8	10	5/8	3/8	
W	10 x 60	10 1/4	10 1/8	11/16	7/16	
W	10 x 68	10 3/8	10 1/8	3/4	1/2	
W	10 x 77	10 5/8	10 1/4	7/8	1/2	
W	10 x 88	10 7/8	10 1/4	1	5/8	

Inquire Regarding: Sizes or grades not listed

## WIDE FLANGE BEAMS ASTM A992 & ASTM A-36



Section and Size	Size in In.		Flange in In.		Thickness of Web
	Depth of Section A	Width B	Thickness C	D	
W 10 x 100	11 1/8	10 3/8	1 1/8	11/16	
W 10 x 112	11 3/8	10 3/8	1 1/4	3/4	
W 12 x 14	11 7/8	4	1/4	3/16	
W 12 x 16	12	4	1/4	1/4	
W 12 x 19	12 1/8	4	3/8	1/4	
W 12 x 22	12 1/4	4	7/16	1/4	
W 12 x 26	12 1/4	6 1/2	3/8	1/4	
W 12 x 30	12 3/8	6 1/2	7/16	1/4	
W 12 x 35	12 1/2	6 1/2	1/2	5/16	
W 12 x 40	12	8	1/2	5/16	
W 12 x 45	12	8	9/16	5/16	
W 12 x 50	12 1/4	8 1/8	5/8	3/8	
W 12 x 53	12	10	9/16	3/8	
W 12 x 58	12 1/4	10	5/8	3/8	
W 12 x 65	12 1/8	12	5/8	3/8	
W 12 x 72	12 1/4	12	11/16	7/16	
W 12 x 79	12 3/8	12 1/8	3/4	1/2	
W 12 x 87	12 1/2	12 1/8	13/16	1/2	
W 12 x 96	12 3/4	12 1/8	7/8	9/16	
W 12 x 106	12 7/8	12 1/4	1	5/8	
W 12 x 120	13 1/8	12 3/8	1 1/8	11/16	
W 12 x 136	13 3/8	12 3/8	1 1/4	13/16	
W 12 x 152	13 3/4	12 1/2	1 3/8	7/8	
W 12 x 170	14	12 5/8	1 9/16	15/16	
W 12 x 190	14 3/8	12 5/8	1 3/4	1 1/16	
W 12 x 210	14 3/4	12 3/4	1 7/8	1 3/16	
W 12 x 230	15	12 7/8	2 1/16	1 5/16	
W 12 x 252	15 3/8	13	2 1/4	1 3/8	
W 12 x 279	15 7/8	13 1/8	2 1/2	1 1/2	
W 12 x 305	16 3/8	13 1/4	2 11/16	1 5/8	
W 12 x 336	16 7/8	13 3/8	2 15/16	1 3/4	
W 14 x 22	13 3/4	5	5/16	1/4	
W 14 x 26	13 7/8	5	7/16	1/4	
W 14 x 30	13 7/8	6 3/4	3/8	1/4	
W 14 x 34	14	6 3/4	7/16	5/16	
W 14 x 38	14 1/8	6 3/4	1/2	5/16	
W 14 x 43	13 5/8	8	1/2	5/16	
W 14 x 48	13 3/4	8	5/8	5/16	

Inquire Regarding: Sizes or grades not listed

## WIDE FLANGE BEAMS ASTM A992 & ASTM A-36



Section and Size	Size in In.		Flange in In.			Thickness of Web D
	Depth of Section A	Width B	Thickness C	Thickness of Web D		
					Depth of Section A	
W 14 x 53	13 7/8	8	11/16	3/8		
W 14 x 61	13 7/8	10	5/8	3/8		
W 14 x 68	14	10	3/4	7/16		
W 14 x 74	14 1/8	10 1/8	13/16	7/16		
W 14 x 82	14 1/4	10 1/8	7/8	1/2		
W 14 x 90	14	14 1/2	11/16	7/16		
W 14 x 99	14 1/8	14 5/8	3/4	1/2		
W 14 x 109	14 3/8	14 5/8	7/8	1/2		
W 14 x 120	14 1/2	14 5/8	15/16	9/16		
W 14 x 132	14 5/8	14 3/4	1	5/8		
W 14 x 145	14 3/4	15 1/2	1 1/16	11/16		
W 14 x 159	15	15 5/8	1 3/16	3/4		
W 14 x 176	15 1/4	15 5/8	1 5/16	13/16		
W 14 x 193	15 1/2	15 3/4	1 7/16	7/8		
W 14 x 211	15 3/4	15 3/4	1 9/16	1		
W 14 x 233	16	15 7/8	1 3/4	1 1/16		
W 14 x 257	16 3/8	16	1 7/8	1 3/16		
W 14 x 283	16 3/4	16 1/8	2 1/16	1 5/16		
W 14 x 311	17 1/8	16 1/4	2 1/4	1 7/16		
W 14 x 342	17 1/2	16 3/8	2 1/2	1 9/16		
W 14 x 370	17 7/8	16 1/2	2 11/16	1 5/8		
W 14 x 398	18 1/4	16 5/8	2 7/8	1 3/4		
W 14 x 426	18 5/8	16 3/4	3 1/16	1 7/8		
W 14 x 455	19	16 7/8	3 3/16	2		
W 14 x 500	19 5/8	17	3 1/2	2 3/16		
W 14 x 550	20 1/4	17 1/4	3 13/16	2 3/8		
W 14 x 605	20 7/8	17 3/8	4 3/16	2 5/8		
W 14 x 665	21 5/8	17 5/8	4 1/2	2 13/16		
W 14 x 730	22 3/8	17 7/8	4 15/16	3 1/16		
W 16 x 26	15 3/4	5 1/2	3/8	1/4		
W 16 x 31	15 7/8	5 1/2	7/16	1/4		
W 16 x 36	15 7/8	7	7/16	5/16		
W 16 x 40	16	7	1/2	5/16		
W 16 x 45	16 1/8	7	9/16	3/8		
W 16 x 50	16 1/4	7 1/8	5/8	3/8		
W 16 x 57	16 3/8	7 1/8	11/16	7/16		
W 16 x 67	16 3/8	10 1/4	11/16	3/8		
W 16 x 77	16 1/2	10 1/4	3/4	7/16		

Inquire Regarding: Sizes or grades not listed

## WIDE FLANGE BEAMS ASTM A992 & ASTM A-36



Section and Size	Size in In.		Flange in In.			Thickness of Web D
	Depth of Section A	Width B	Thickness C	Thickness of Web D		
W 16 x 89	16 3/4	10 3/8	7/8	1/2		
W 16 x 100	17	10 3/8	1	9/16		
W 18 x 35	17 3/4	6	7/16	5/16		
W 18 x 40	17 7/8	6	1/2	5/16		
W 18 x 46	18	6	5/8	3/8		
W 18 x 50	18	7 1/2	9/16	3/8		
W 18 x 55	18 1/8	7 1/2	5/8	3/8		
W 18 x 60	18 1/4	7 1/2	11/16	7/16		
W 18 x 65	18 3/8	7 5/8	3/4	7/16		
W 18 x 71	18 1/2	7 5/8	13/16	1/2		
W 18 x 76	18 1/4	11	11/16	7/16		
W 18 x 86	18 3/8	11 1/8	3/4	1/2		
W 18 x 97	18 5/8	11 1/8	7/8	9/16		
W 18 x 106	18 3/4	11 1/4	15/16	9/16		
W 18 x 119	19	11 1/4	1 1/16	5/8		
W 21 x 44	20 5/8	6 1/2	7/16	3/8		
W 21 x 50	20 7/8	6 1/2	9/16	3/8		
W 21 x 57	21	6 1/2	5/8	3/8		
W 21 x 62	21	8 1/4	5/8	3/8		
W 21 x 68	21 1/8	8 1/4	11/16	7/16		
W 21 x 73	21 1/4	8 1/4	3/4	7/16		
W 21 x 83	21 3/8	8 3/8	13/16	1/2		
W 21 x 93	21 5/8	8 3/8	15/16	9/16		
W 21 x 101	21 3/8	12 1/4	13/16	1/2		
W 21 x 111	21 1/2	12 3/8	7/8	9/16		
W 21 x 122	21 5/8	12 3/8	15/16	5/8		
W 21 x 132	21 7/8	12 1/2	1 1/16	5/8		
W 21 x 147	22	12 1/2	1 1/8	3/4		
W 24 x 55	23 5/8	7	1/2	3/8		
W 24 x 62	23 3/4	7	9/16	7/16		
W 24 x 68	23 3/4	9	9/16	7/16		
W 24 x 76	23 7/8	9	11/16	7/16		
W 24 x 84	24 1/8	9	3/4	1/2		
W 24 x 94	24 1/4	9 1/8	7/8	1/2		
W 24 x 104	24	12 3/4	3/4	1/2		
W 24 x 117	24 1/4	12 3/4	7/8	9/16		
W 24 x 131	24 1/2	12 7/8	15/16	5/8		
W 24 x 146	24 3/4	12 7/8	1 1/16	5/8		

Inquire Regarding: Sizes or grades not listed

## WIDE FLANGE BEAMS ASTM A992 & ASTM A-36



Section and Size	Size in In.		Flange in In.		Thickness of Web D
	Depth of Section A	Width B	Thickness C		
W 24 x 162	25	13	1 1/4		11/16
W 27 x 84	26 3/4	10	5/8		7/16
W 27 x 94	26 7/8	10	3/4		1/2
W 27 x 102	27 7/8	10	13/16		1/2
W 27 x 114	27 1/4	10 1/8	15/16		9/16
W 27 x 146	27 3/8	14	1		5/8
W 27 x 161	27 5/8	14	1		11/16
W 27 x 178	27 3/4	14 1/8	1 3/16		3/4
W 30 x 99	29 5/8	10 1/2	11/16		1/2
W 30 x 108	29 7/8	10 1/2	3/4		9/16
W 30 x 116	30	10 1/2	7/8		9/16
W 30 x 124	30 1/8	10 1/2	15/16		9/16
W 30 x 132	30 1/2	10 1/2	1		
W 30 x 173	30 1/2	15	1 1/16		5/8
W 30 x 191	30 5/8	15	1 3/16		11/16
W 30 x 211	31	15 1/8	1 5/16		3/4
W 33 x 118	32 7/8	11 1/2	3/4		9/16
W 33 x 130	33 1/8	11 1/2	1/2		9/16
W 33 x 141	33 1/4	11 1/2	15/16		5/8
W 33 x 152	33 1/2	11 5/8	1 1/16		5/8
W 33 x 201	33 5/8	15 3/4	1 1/8		11/16
W 33 x 221	33 7/8	15 3/4	1 1/4		3/4
W 33 x 241	34 1/8	15 7/8	1 3/8		13/16
W 36 x 135	35 1/2	12	13/16		5/8
W 36 x 150	35 7/8	12	15/16		5/8
W 36 x 160	36	12	1		5/8
W 36 x 170	36 1/8	12	1 1/8		11/16
W 36 x 182	36 3/8	12 1/8	1 3/16		3/4
W 36 x 194	36 1/2	12 1/8	1 1/4		3/4
W 36 x 210	36 3/4	12 1/8	1 3/8		13/16
W 36 x 230	35 7/8	16 1/2	1 1/4		3/4
W 36 x 245	36 1/8	16 1/2	1 3/8		13/16
W 36 x 260	36 1/4	16 1/2	1 7/16		13/16
W 36 x 280	36 1/2	16 5/8	1 9/16		7/8
W 36 x 300	36 3/4	16 5/8	1 11/16		15/16

## M (JUNIOR) SHAPES ASTM A992 & ASTM A-36



Section and Size	Size in In.	Flange in In.		Thickness of Web D	Estimated Wt. Lbs. Per Foot
	Depth of Section A	Width B	Thickness C		
M 5x18.9	5.000	5.003	.416	.316	18.9
M 5x 4.4	6.000	1.844	.171	.144	4.4
M 8x 6.5	8.000	2.281	.189	.135	6.5
M 10x 9.0	10.00	2.690	.206	.157	9.0
M 12x11.8	12.00	3.065	.225	.177	11.8

## BAR SIZE CHANNELS ASTM A-36



Size in Inches	Weight, per ft.	Pounds of 20' Bar	Stock Lengths, Ft.
1 x 1/2 x 1/8	.84	16.8	20
1 1/2 x 1/2 x 1/8	1.12	22.4	20
2 x 1/2 x 1/8	1.43	28.6	20
2 x 1 x 1/8	1.59	31.8	20
2 x 1 x 3/16	2.32	46.4	20

## JUNIOR CHANNELS ASTM A-36



Nominal Size, Ins.	Weight per Ft., Lb.	Web Thickness Ins.	Flange Width, Ins.	WT/40'
8	8.5	.179	1.874	340
10	6.5	.152	1.127	260
	8.4	.170	1.500	336
12	10.6	.190	1.500	424



## STRUCTURAL CHANNELS ASTM A-36



Nominal Size Inches	Weight per Ft., Lb.	Web Thickness, Inches	Flange Width, Inches	Weight/40'
3	4.1	0.170	1.410	164
	5.0	0.258	1.498	200
	6.0	0.356	1.596	240
4	5.4	0.184	1.584	216
	7.25	0.321	1.721	290
5	6.7	0.190	1.750	268
	9.0	0.325	1.885	360
6	8.2	0.200	1.920	328
	10.5	0.314	2.034	420
	13.0	0.437	2.157	520
7	9.8	0.210	2.090	392
	12.25	0.314	2.194	490
	14.75	0.419	2.299	590
8	11.5	0.220	2.260	460
	13.75	0.303	2.343	550
	18.75	0.487	2.527	750
9	13.4	0.233	2.433	536
	15.0	0.285	2.485	600
	20.0	0.448	2.648	800
10	15.3	0.240	2.600	612
	20.0	0.379	2.739	800
	25.0	0.526	2.886	1,000
	30.0	0.673	3.033	1,200
12	20.7	0.282	2.942	828
	25.0	0.387	3.047	1,000
	30.0	0.510	3.170	1,200
15	33.9	0.400	3.400	1,356
	40.0	0.520	3.520	1,600
	50.0	0.716	3.716	2,000

## CHANNELS, CAR AND SHIP BUILDING ASTM A-36



Nominal Size, Inches	Weight per Ft., Lb.	Web Thickness, Inches	Flange Width Inches	Weight/40'
3	7.1	.312	1.938	284
	9.0	.500	2.125	360
4	13.8	.500	2.500	552
6	12.0	.310	2.497	480
	15.1	.316	2.911	604
	15.3	.340	3.500	612
	16.3	.375	3.000	652
	18.0	.379	3.504	720
7	17.6	.375	3.000	704
	19.1	.352	3.452	764
	22.7	.503	3.603	908
8	18.7	.353	2.978	748
	20.0	.400	3.025	800
	21.4	.375	3.450	856
	22.8	.427	3.502	912
9	23.9	.400	3.450	956
	25.4	.450	3.500	1,016
10	22.0	.290	3.315	880
	25.0	.380	3.405	1,000
	28.5	.425	3.950	1,140
	33.6	.575	4.100	1,344
	41.1	.796	4.321	1,644
12	31.9	.370	3.670	1,236
	35.0	.467	3.767	1,400
	37.0	.600	3.600	1,480
	40.0	.590	3.890	1,600
	45.0	.712	4.012	1,800
	50.0	.835	4.135	2,000
13	31.8	.375	4.000	1,272
	35.0	.447	4.072	1,400
	40.0	.560	4.185	1,600
	50.0	.787	4.412	2,000
18	42.7	.450	3.950	1,708
	45.8	.500	4.000	1,832
	51.9	.600	4.100	2,076
	58.0	.700	4.200	2,320

## BAR SIZE ANGLES ASTM A-36



WEIGHT, POUNDS		Per Ft.	Of 20' Bar	Of 40' Bar
Size in inches				
1/2 X 1/2 X	1/8	.38	7.60	15.20
3/4 X 3/4 X	1/8	.59	11.80	23.60
1 X 1 X	1/8	.80	16.00	32.00
	3/16	1.16	23.20	46.40
	1/4	1.49	29.30	59.60
1 1/4 X 1 1/4 X	1/8	1.01	20.20	40.40
	3/16	1.48	29.60	59.20
	1/4	1.92	38.40	76.80
1 1/2 X 1 1/2 X	1/8	1.23	24.60	49.20
	3/16	1.80	36.00	72.00
	1/4	2.34	46.80	93.60
1 3/4 X 1 3/4 X	1/8	1.44	28.80	57.60
	3/16	2.12	42.40	84.80
	1/4	2.77	55.40	110.80
2 X 1 1/2 X	1/8	1.44	28.80	57.60
	3/16	2.12	42.40	84.80
	1/4	2.77	55.40	110.80
2 X 2 X	1/8	1.65	33.00	66.00
	3/16	2.44	48.80	97.60
	1/4	3.19	63.80	127.60
	5/16	3.92	78.40	156.80
	3/8	4.70	94.00	188.00
2 1/2 X 1 1/2 X	3/16	2.44	48.80	97.60
	1/4	3.19	63.80	127.60
	5/16	3.92	78.40	156.80
2 1/2 X 2 X	3/16	2.75	55.00	110.00
	1/4	3.62	72.40	144.80
	5/16	4.50	90.00	180.00
	3/8	5.30	106.00	212.00
2 1/2 X 2 1/2 X	3/16	3.07	61.40	122.80
	1/4	4.10	82.00	164.00
	5/16	5.00	100.00	200.00
	3/8	5.90	118.00	236.00
	1/2	7.70	154.00	308.00

## STRUCTURAL ANGLES ASTM A-36



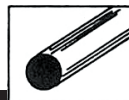
SIZE IN INCHES		WEIGHT PER FT., LB.	SIZE IN INCHES		WEIGHT PER FT., LB.	
3 x 2 x	$\frac{3}{16}$	3.07	4x3 $\frac{1}{2}$ x $\frac{1}{4}$	$\frac{1}{4}$	6.2	
	$\frac{1}{4}$	4.1		$\frac{5}{16}$	7.7	
	$\frac{5}{16}$	5.0		$\frac{3}{8}$	9.1	
	$\frac{3}{8}$	5.9		$\frac{7}{16}$	10.6	
	$\frac{1}{2}$	7.7		$\frac{1}{2}$	11.9	
3 x 2 $\frac{1}{2}$ x	$\frac{3}{16}$	3.39	4 x 4 x	$\frac{1}{4}$	6.6	
	$\frac{1}{4}$	4.5		$\frac{5}{16}$	8.2	
	$\frac{5}{16}$	5.6		$\frac{3}{8}$	9.8	
	$\frac{3}{8}$	6.6		$\frac{7}{16}$	11.3	
	$\frac{1}{2}$	8.5		$\frac{1}{2}$	12.8	
3 x 3 x	$\frac{3}{16}$	3.71	5 x 3 x	$\frac{5}{8}$	15.7	
	$\frac{1}{4}$	4.9		$\frac{3}{4}$	18.5	
	$\frac{5}{16}$	6.1		$\frac{1}{4}$	$\frac{1}{4}$	6.6
	$\frac{3}{8}$	7.2			$\frac{5}{16}$	8.2
	$\frac{1}{2}$	9.4			$\frac{3}{8}$	9.8
3 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x	$\frac{1}{4}$	4.9	$\frac{7}{16}$		11.3	
	$\frac{5}{16}$	6.1	$\frac{1}{2}$	12.8		
	$\frac{3}{8}$	7.2	5 x 3 $\frac{1}{2}$	$\frac{1}{4}$	7.0	
	$\frac{1}{2}$	9.4		$\frac{5}{16}$	8.7	
3 $\frac{1}{2}$ x 3 x	$\frac{1}{4}$	5.4		$\frac{3}{8}$	10.4	
	$\frac{5}{16}$	6.6		$\frac{7}{16}$	12.0	
	$\frac{3}{8}$	7.9	$\frac{1}{2}$	13.6		
	$\frac{7}{16}$	9.1	$\frac{5}{8}$	16.8		
	$\frac{1}{2}$	10.2	$\frac{3}{4}$	19.8		
3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x	$\frac{1}{4}$	5.8	5 x 5 x	$\frac{5}{16}$	10.3	
	$\frac{5}{16}$	7.2		$\frac{3}{8}$	12.3	
	$\frac{3}{8}$	8.5		$\frac{7}{16}$	14.3	
	$\frac{1}{2}$	11.1		$\frac{1}{2}$	16.2	
4 X 3 x	$\frac{1}{4}$	5.8	$\frac{5}{8}$	20.0		
	$\frac{5}{16}$	7.2	$\frac{3}{4}$	23.6		
	$\frac{3}{8}$	8.5	$\frac{7}{8}$	27.2		
	$\frac{1}{2}$	11.1				
	$\frac{5}{8}$	13.6				

## STRUCTURAL ANGLES ASTM A-36



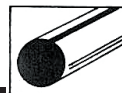
SIZE IN INCHES		WEIGHT PER FT., LB.	SIZE IN INCHES		WEIGHT PER FT., LB.
6 x 3 1/2 x	1/4	7.9	8 x 6 x	1/2	23.0
	5/16	9.8		3/4	33.8
	3/8	11.7		5/8	28.5
	1/2	15.3		1	44.2
6 x 4 x	1/4	8.3	8 x 8 x	1/2	26.4
	5/16	10.3		9/16	29.6
	3/8	12.3		5/8	32.7
	1/2	16.2		3/4	38.9
	9/16	18.1		7/8	45.0
	5/8	20.2		1	51.0
3/4	23.6	1 1/8	56.9		
6 X 6 X	5/16	12.6			
	3/8	14.9			
	7/16	17.2			
	1/2	19.6			
	5/8	24.2			
	3/4	28.7			
7/8	33.1				
7 X 4 X	3/8	13.6			
	1/2	17.9			
	5/8	22.1			
8 X 4 X	1/2	19.6			
	5/8	24.2			
	3/4	28.7			
	7/8	33.1			
	1"	37.4			

## HOT ROLLED ROUNDS M1020



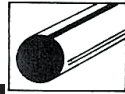
Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
1/4	0.167	3.34	6.68
5/16	0.261	5.22	10.44
3/8	0.376	7.52	15.04
1/2	0.668	13.36	26.72
5/8	1.04	20.8	41.6
3/4	1.50	30.00	60.0
7/8	2.04	40.8	81.6
1	2.67	53.4	106.8
1 1/8	3.38	67.6	135.2
1 1/4	4.17	83.4	166.8
1 3/8	5.05	101.0	202.0
1 1/2	6.01	120.2	240.4
1 5/8	7.05	141.0	282.0
1 3/4	8.18	163.6	327.2
2	10.68	213.6	427.2
2 3/8	15.06	301.2	602.4
2 1/2	16.69	333.8	667.6
2 5/8	18.40	368.0	736.0
2 3/4	20.19	403.8	807.6
3	24.03	480.6	961.2
3 1/2	32.71	654.2	1308.4
4	42.73	854.6	1709.2
4 1/4	48.23	964.6	1929.2
4 3/8	51.11	1022.2	2044.4

## COLD FINISHED ROUNDS ASTM C1018



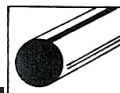
Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
1/8	0.042	.84	1.68
9/64	0.053	1.06	2.12
5/32	0.065	1.30	2.60
3/16	0.094	1.88	3.76
7/32	.128	2.56	5.12

## COLD FINISHED ROUNDS ASTM C1018



Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
1/4	.167	3.34	6.68
9/16	.211	4.22	8.44
5/16	.261	5.22	10.44
21/64	.288	5.76	11.52
11/32	.316	6.32	12.64
3/8	.376	7.52	15.04
13/32	.441	8.82	17.64
7/16	.511	10.22	20.44
15/32	.587	11.74	23.48
1/2	.668	13.36	26.72
33/64	.710	14.20	28.40
17/32	.754	15.08	30.16
9/16	.845	16.90	33.80
19/32	.942	18.84	37.68
5/8	1.104	20.80	41.60
41/64	1.10	22.00	44.00
21/32	1.15	23.00	46.00
11/16	1.26	25.20	50.40
23/32	1.38	27.60	55.20
3/4	1.50	30.00	60.00
49/64	1.57	31.40	62.80
25/32	1.63	32.60	65.20
13/16	1.76	35.20	70.40
27/32	1.90	38.00	76.00
7/8	2.04	40.80	81.60
57/64	2.12	42.40	84.80
29/32	2.19	43.80	87.60
15/16	2.35	47.00	94.00
1	2.67	53.40	106.80
11/16	3.01	60.20	120.40
1 1/8	3.38	67.60	135.20
13/16	3.77	75.40	150.80
1 1/4	4.17	83.40	166.80
1 5/16	4.60	92.00	184.00
1 3/8	5.05	101.00	202.00

## COLD FINISHED ROUNDS ASTM C1018

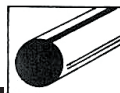


Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
1 <sup>7</sup> / <sub>16</sub>	5.52	110.40	220.80
1 <sup>1</sup> / <sub>2</sub>	6.01	120.20	240.40
1 <sup>9</sup> / <sub>16</sub>	6.52	130.40	260.80
1 <sup>11</sup> / <sub>16</sub>	7.05	141.0	282.00
1 <sup>5</sup> / <sub>8</sub>	7.60	152.00	304.00
1 <sup>3</sup> / <sub>4</sub>	8.18	163.6	327.20
1 <sup>13</sup> / <sub>16</sub>	8.77	175.40	340.80
1 <sup>7</sup> / <sub>8</sub>	9.39	187.80	375.60
1 <sup>15</sup> / <sub>16</sub>	10.02	200.40	400.80
2	10.68	213.60	427.20
2 <sup>1</sup> / <sub>16</sub>	11.36	217.20	434.40
2 <sup>1</sup> / <sub>8</sub>	12.06	241.20	482.40
2 <sup>3</sup> / <sub>16</sub>	12.78	255.60	511.20
2 <sup>1</sup> / <sub>4</sub>	13.52	270.40	540.80
2 <sup>5</sup> / <sub>16</sub>	14.28	285.60	571.20
2 <sup>3</sup> / <sub>8</sub>	15.06	301.20	602.40
2 <sup>7</sup> / <sub>16</sub>	15.87	317.40	634.80
2 <sup>1</sup> / <sub>2</sub>	16.69	333.8	667.60
2 <sup>9</sup> / <sub>16</sub>	17.53	350.60	701.20
2 <sup>5</sup> / <sub>8</sub>	18.40	368.00	736.00
2 <sup>11</sup> / <sub>16</sub>	19.29	385.80	771.60
2 <sup>3</sup> / <sub>4</sub>	20.19	403.80	807.60
2 <sup>13</sup> / <sub>16</sub>	21.12	422.40	844.80
2 <sup>7</sup> / <sub>8</sub>	22.07	441.40	882.40
2 <sup>15</sup> / <sub>16</sub>	23.04	460.80	921.60
3	24.03	480.6	961.2
3 <sup>1</sup> / <sub>16</sub>	25.04	500.80	1001.60
3 <sup>1</sup> / <sub>8</sub>	26.08	521.60	1042.20
3 <sup>3</sup> / <sub>16</sub>	27.13	542.60	1083.20
3 <sup>1</sup> / <sub>4</sub>	28.21	564.20	1128.40
3 <sup>5</sup> / <sub>16</sub>	29.30	586.00	1172.00
3 <sup>3</sup> / <sub>8</sub>	30.42	608.40	1216.80
3 <sup>7</sup> / <sub>16</sub>	31.55	631.00	1262.00
3 <sup>1</sup> / <sub>2</sub>	32.71	654.20	1308.40
3 <sup>9</sup> / <sub>16</sub>	33.89	677.80	1355.60

Inquire Regarding: Sizes or grades not listed



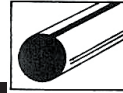
## COLD FINISHED ROUNDS ASTM C1018



Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
3 <sup>5</sup> / <sub>8</sub>	35.09	701.80	1403.60
3 <sup>11</sup> / <sub>16</sub>	36.31	726.20	1452.40
3 <sup>3</sup> / <sub>4</sub>	37.55	751.00	1502.00
3 <sup>13</sup> / <sub>16</sub>	38.81	776.20	1552.40
3 <sup>7</sup> / <sub>8</sub>	40.13	802.60	1604.60
3 <sup>15</sup> / <sub>16</sub>	41.40	828.00	1656.00
4	42.73	854.60	1709.20
4 <sup>1</sup> / <sub>8</sub>	45.44	908.80	1817.60
4 <sup>3</sup> / <sub>16</sub>	46.73	934.60	1869.20
4 <sup>1</sup> / <sub>4</sub>	48.23	964.60	1929.20
4 <sup>5</sup> / <sub>16</sub>	49.66	993.20	1986.40
4 <sup>3</sup> / <sub>8</sub>	51.11	1022.20	2044.40
4 <sup>7</sup> / <sub>16</sub>	52.58	1051.60	2103.60
4 <sup>1</sup> / <sub>2</sub>	54.08	1081.60	2163.20
4 <sup>9</sup> / <sub>16</sub>	55.59	1111.80	2223.60
4 <sup>5</sup> / <sub>8</sub>	57.12	1142.40	2284.80
4 <sup>11</sup> / <sub>16</sub>	58.68	1173.60	2347.20
4 <sup>3</sup> / <sub>4</sub>	60.25	1205.00	2510.00
4 <sup>7</sup> / <sub>8</sub>	63.52	1270.40	2540.80
4 <sup>15</sup> / <sub>16</sub>	65.10	1302.00	2604.00
5	66.76	1335.20	2670.40
5 <sup>1</sup> / <sub>16</sub>	68.44	1368.80	2737.60
5 <sup>1</sup> / <sub>8</sub>	70.14	1402.80	2805.60
5 <sup>3</sup> / <sub>16</sub>	71.86	1437.20	2874.40
5 <sup>1</sup> / <sub>4</sub>	73.60	1472.00	2944.00
5 <sup>3</sup> / <sub>8</sub>	77.15	1543.00	3086.00
5 <sup>7</sup> / <sub>16</sub>	78.95	1579.00	3158.00
5 <sup>1</sup> / <sub>2</sub>	80.78	1615.60	3231.20
5 <sup>5</sup> / <sub>8</sub>	84.49	1689.80	3376.60
5 <sup>3</sup> / <sub>4</sub>	88.29	1765.80	3531.60
5 <sup>7</sup> / <sub>8</sub>	82.17	1843.40	3686.80
5 <sup>15</sup> / <sub>16</sub>	94.14	1882.88	3765.76
6	96.13	1922.60	3845.20
6 <sup>1</sup> / <sub>4</sub>	104.30	2086.00	4172.00
6 <sup>1</sup> / <sub>2</sub>	112.80	2256.00	4512.00

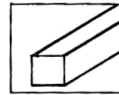
Inquire Regarding: Sizes or grades not listed

## COLD FINISHED ROUNDS ASTM C1018



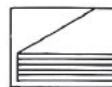
Size in Inches	WEIGHT, POUND		
	Per Ft.	Per 20' Bar	Per 40' Bar
6 <sup>3</sup> / <sub>4</sub>	121.70	2434.00	4868.00
7	130.80	2616.00	5362.00
7 <sup>1</sup> / <sub>4</sub>	140.40	2808.00	5616.00
7 <sup>1</sup> / <sub>2</sub>	150.20	3004.00	6008.00
8	170.90	3418.00	6836.00
8 <sup>1</sup> / <sub>2</sub>	192.90	3858.00	7716.00
9	216.30	4326.00	8652.00
10	267.00	5340.00	10680.00
12	384.50	7690.00	15380.00

## HOT ROLLED SQUARES ASTM A-36



WEIGHT, POUNDS			WEIGHT, POUNDS		
Size in Ins.	Per Ft.	Per 20' Bar	Size in Ins.	Per Ft.	Per 20' Bar
<sup>1</sup> / <sub>4</sub>	.213	4.26	1	3.40	68.00
<sup>3</sup> / <sub>8</sub>	.478	9.56	1 <sup>1</sup> / <sub>4</sub>	5.31	106.00
<sup>1</sup> / <sub>2</sub>	.850	17.00	1 <sup>1</sup> / <sub>2</sub>	7.65	153.00
<sup>5</sup> / <sub>8</sub>	1.33	26.60	1 <sup>5</sup> / <sub>8</sub>	8.98	179.60
<sup>3</sup> / <sub>4</sub>	1.91	38.20	1 <sup>3</sup> / <sub>4</sub>	10.41	208.20
<sup>7</sup> / <sub>8</sub>	2.60	52.00	2	13.60	272.00

## HOT ROLLED STRIP COMMERCIAL QUALITY ASTM A-1011 & A-36



WEIGHT, POUNDS			WEIGHT, POUNDS		
Size in Ins.	Per Ft.	Per 20' Bar	Size in Ins.	Per Ft.	Per 20' Bar
$\frac{1}{8} \times \frac{1}{2}$	0.213	4.26	$\frac{3}{16} \times \frac{1}{2}$	.319	6.38
$\frac{3}{4}$	0.319	6.38	$\frac{3}{4}$	.478	9.56
1	0.425	8.50	1	.638	12.76
$1\frac{1}{4}$	0.531	10.62	$1\frac{1}{4}$	.797	15.94
$1\frac{1}{2}$	0.638	12.76	$1\frac{1}{2}$	.956	19.12
$1\frac{3}{4}$	0.744	14.88	$1\frac{3}{4}$	1.120	22.40
2	0.850	17.00	2	1.280	25.60
$2\frac{1}{4}$	0.956	19.12	$2\frac{1}{4}$	1.430	28.60
$2\frac{1}{2}$	1.060	21.20	$2\frac{1}{2}$	1.590	31.80
$2\frac{3}{4}$	1.170	23.40	$2\frac{3}{4}$	1.750	35.00
3	1.280	25.60	3	1.910	38.20
$3\frac{1}{2}$	1.489	29.80	$3\frac{1}{2}$	2.230	44.60
4	1.700	34.00	4	2.550	51.00
$4\frac{1}{2}$	1.910	38.20	$4\frac{1}{2}$	2.870	57.40
5	2.130	42.60	5	3.190	63.80
$5\frac{1}{2}$	2.340	46.80	6	3.830	76.60
6	2.550	51.00	7	4.46	89.20
7	2.980	59.60	8	5.10	102.00
8	3.400	68.00	9	5.74	114.80
9	3.830	76.60	10	6.38	127.60
10	4.250	85.00	12	7.65	153.00
12	5.100	102.00			

## HOT ROLLED FLATS ASTM A-36



Size in Ins.	WEIGHT, POUNDS	
	Per Ft.	Per 20' Bar
$1/4 \times 1/2$	0.425	8.50
$3/4$	0.638	12.76
1	0.850	17.00
$1 1/4$	1.062	21.26
$1 1/2$	1.275	25.50
$1 3/4$	1.488	29.76
2	1.700	34.00
$2 1/4$	1.913	38.26
$2 1/2$	2.125	42.50
$2 3/4$	2.338	46.76
3	2.550	51.00
$3 1/4$	2.763	55.26
$3 1/2$	2.975	59.50
$3 3/4$	3.188	63.76
4	3.400	68.00
$4 1/2$	3.825	76.50
5	4.250	85.00
$5 1/2$	4.675	93.50
6	5.100	102.00
7	5.950	119.00
8	6.800	136.00
$5/16 \times 1/2$	0.531	10.62
$3/4$	.797	15.94
1	1.063	21.26
$1 1/4$	1.328	26.56
$1 1/2$	1.594	31.88
$1 3/4$	1.859	37.18
2	2.125	42.50
$2 1/4$	2.391	47.82
$2 1/2$	2.656	53.12
$2 3/4$	2.922	58.44

Size in Ins.	WEIGHT, POUNDS	
	Per Ft.	Per 20' Bar
$5/16 \times 3$	3.188	63.76
$3 1/2$	3.719	74.38
4	4.250	85.00
$4 1/2$	4.781	95.62
5	5.313	106.30
$5 1/2$	5.840	116.80
6	6.375	127.50
7	7.440	148.70
8	8.500	170.00
$3/8 \times 1/2$	0.638	12.76
$3/4$	0.956	19.12
1	1.275	25.50
$1 1/4$	1.594	31.88
$1 1/2$	1.913	38.26
$1 3/4$	2.231	44.62
2	2.550	51.00
$2 1/4$	2.869	57.38
$2 1/2$	3.188	63.76
$2 3/4$	3.516	70.12
3	3.825	76.50
$3 1/2$	4.463	89.26
4	5.100	102.00
$4 1/2$	5.738	114.80
5	6.375	127.50
$5 1/2$	7.013	140.30
6	7.650	153.58
7	8.930	178.60
8	10.20	204.00

## HOT ROLLED FLATS ASTM A-36



WEIGHT, POUNDS			WEIGHT, POUNDS		
Size in Ins.	Per Ft.	Per 20' Bar	Size in Ins.	Per Ft.	Per 20' Bar
$\frac{1}{2} \times \frac{3}{4}$	1.275	25.5	$\frac{5}{8} \times 4$	8.50	170.0
			$4\frac{1}{2}$	9.563	191.30
1	1.70	34.0	5	10.63	212.40
$1\frac{1}{4}$	2.10	42.6	$5\frac{1}{2}$	11.69	233.80
$1\frac{1}{2}$	2.55	51.0	6	12.75	255.0
$1\frac{3}{4}$	2.975	59.5	7	14.87	297.40
2	3.40	68.0	8	17.00	340.0
$2\frac{1}{4}$	3.83	76.6			
$2\frac{1}{2}$	4.25	85.0	$\frac{3}{4} \times 1$	2.55	51.0
$2\frac{3}{4}$	4.675	93.50	$1\frac{1}{4}$	3.188	63.76
3	5.10	102.0	$1\frac{1}{2}$	3.825	76.50
$3\frac{1}{2}$	5.95	119.0	$1\frac{3}{4}$	4.463	89.26
4	6.80	136.0	2	5.10	102.0
$4\frac{1}{2}$	7.65	153.0	$2\frac{1}{4}$	5.738	114.8
5	8.50	170.0	$2\frac{1}{2}$	6.375	127.5
$5\frac{1}{2}$	9.35	187.0	$2\frac{3}{4}$	7.013	140.30
6	10.20	204.0	3	7.65	153.0
7	11.90	238.0	$3\frac{1}{2}$	8.925	178.50
8	13.60	272.0	4	10.20	204.0
$\frac{5}{8} \times \frac{3}{4}$	1.594	31.88	$4\frac{1}{2}$	11.47	229.40
1	2.125	42.5	5	12.75	255.0
$1\frac{1}{4}$	2.66	53.2	$5\frac{1}{2}$	14.02	280.40
$1\frac{1}{2}$	3.188	63.76	6	15.30	306.0
$1\frac{3}{4}$	3.719	74.38	7	17.85	357.0
2	4.25	85.0	8	20.40	408.0
$2\frac{1}{4}$	4.781	95.62	$1 \times 1\frac{1}{2}$	5.10	102.0
$2\frac{1}{2}$	5.313	106.3	2	6.80	136.0
$2\frac{3}{4}$	5.844	116.90	$2\frac{1}{4}$	7.65	153.0
3	6.375	127.5			
$3\frac{1}{2}$	7.438	148.8			

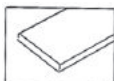
Inquire Regarding: Sizes or grades not listed

## HOT ROLLED FLATS ASTM A-36



WEIGHT, POUNDS			WEIGHT, POUNDS		
Size in Ins.	Per Ft.	Per 20' Bar	Size in Ins.	Per Ft.	Per 20' Bar
<b>1 x 2<sup>1</sup>/<sub>2</sub></b>	8.50	170.0	<b>1<sup>1</sup>/<sub>2</sub> x 2</b>	10.20	204.0
2 <sup>3</sup> / <sub>4</sub>	9.35	187.0	2 <sup>1</sup> / <sub>4</sub>	11.48	229.6
3	10.20	204.0	2 <sup>1</sup> / <sub>2</sub>	12.75	255.0
3 <sup>1</sup> / <sub>2</sub>	11.90	238.0	2 <sup>3</sup> / <sub>4</sub>	14.03	280.6
4	13.60	272.0	3	15.30	306.0
4 <sup>1</sup> / <sub>2</sub>	15.30	306.0	3 <sup>1</sup> / <sub>2</sub>	17.85	357.0
5	17.00	340.0	4	20.40	408.0
5 <sup>1</sup> / <sub>2</sub>	18.70	374.0	4 <sup>1</sup> / <sub>2</sub>	22.95	459.0
6	20.40	408.0	5	25.50	510.0
7	23.80	476.0	5 <sup>1</sup> / <sub>2</sub>	28.05	561.0
8	27.20	544.0	6	30.60	612.0
<b>1<sup>1</sup>/<sub>4</sub> x 1<sup>1</sup>/<sub>2</sub></b>	6.375	127.5	7	35.70	714.0
1 <sup>3</sup> / <sub>4</sub>	7.438	148.8	8	40.80	816.0
2	8.50	170.0	<b>2 x 2<sup>1</sup>/<sub>4</sub></b>	15.30	306.0
2 <sup>1</sup> / <sub>4</sub>	9.563	191.3	2 <sup>1</sup> / <sub>2</sub>	17.00	340.0
2 <sup>1</sup> / <sub>2</sub>	10.63	212.4	3	20.40	408.0
2 <sup>3</sup> / <sub>4</sub>	11.69	233.8	3 <sup>1</sup> / <sub>2</sub>	23.80	476.0
3	12.75	255.0	4	27.20	544.0
3 <sup>1</sup> / <sub>2</sub>	14.87	297.4	4 <sup>1</sup> / <sub>2</sub>	30.60	612.0
4	17.00	340.0	5	34.00	680.0
4 <sup>1</sup> / <sub>2</sub>	19.12	382.4	6	40.80	816.0
5	21.25	425.0	7	47.60	952.0
5 <sup>1</sup> / <sub>2</sub>	23.37	476.4	8	54.40	1088.0
6	25.50	510.0			
7	29.75	595.0			
8	34.00	680.0			
<b>1<sup>1</sup>/<sub>2</sub> x 1<sup>3</sup>/<sub>4</sub></b>	8.93	178.6			

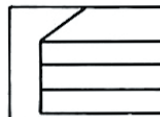
## UNIVERSAL MILL STEEL PLATES ASTM A36



Size in Inches	Wt. per Ft., Lb.
	$\frac{1}{4}$ x (10.21 lb. per sq. ft.)
9	7.66
10	8.51
12	10.21
	$\frac{5}{16}$ x (12.76 lb. per sq. ft.)
9	9.57
10	10.64
12	12.76
	$\frac{3}{8}$ x (15.31 lb. per sq. ft.)
9	11.49
10	12.76
12	15.31
	$\frac{1}{2}$ x (20.42 lb. per sq. ft.)
9	15.31
10	17.01
12	20.42
	$\frac{5}{8}$ x (25.52 lb per sq. ft.)
9	19.14
10	21.27
12	25.52
	$\frac{3}{4}$ x (30.63 lb. per sq. ft.)
9	22.97
10	25.52
12	30.63
	1 x (40.84 lb. per sq. ft.)
9	30.63
10	34.03
12	40.84
	$1\frac{1}{4}$ x (51.05 lb per sq. ft.)
10	42.54
12	51.05
	$1\frac{1}{2}$ x (61.26 lb. per sq ft.)
10	51.05
12	61.26
	2 x (81.68 lb. per sq. ft.)
10	68.06
12	81.68

Inquire Regarding: Sizes or grades not listed

## HOT ROLLED STEEL PLATES C-33 max., ASTM A-36, A-283 & A-516 GR 70



Size in Inches	Dec. Equiv.	Wt. per sq.ft.	Size in Inches	Dec. Equiv.	Wt. per sq.ft.
3/16	.1875	7.66	2	2.0000	81.68
1/4	.2500	10.21	2 1/16	2.0625	84.22
5/16	.3125	12.76	2 1/8	2.1250	86.78
3/8	.3750	15.32	2 3/16	2.1875	89.25
7/16	.4375	17.87	2 1/4	2.2500	91.89
1/2	.5000	20.42	2 5/16	2.3125	94.44
9/16	.5625	22.97	2 3/8	2.3750	96.99
5/8	.6250	25.53	2 7/16	2.4375	99.54
11/16	.6875	28.08	2 1/2	2.5000	102.10
3/4	.7500	30.63	2 9/16	2.5625	104.65
13/16	.8125	33.18	2 5/8	2.6250	107.20
7/8	.8750	35.74	2 11/16	2.6875	109.75
15/16	.9375	38.29	2 3/4	2.7500	112.31
			2 13/16	2.8125	114.86
1	1.0000	40.84	2 7/8	2.8750	117.41
1 1/16	1.0625	45.20	2 15/16	2.9375	119.96
1 1/8	1.1250	45.94			
1 3/16	1.1875	48.50	3	3.0000	122.52
1 1/4	1.2500	51.05	3 1/4	3.2500	132.75
1 5/16	1.3125	53.60	3 1/2	3.5000	142.93
1 3/8	1.3750	56.15	3 3/4	3.7500	153.14
1 7/16	1.4375	58.71			
1 1/2	1.5000	61.26	4	4.0000	163.35
1 9/16	1.5625	63.81	4 1/2	4.5000	183.77
1 5/8	1.6250	66.36			
1 11/16	1.6875	68.92	5	5.0000	204.19
1 3/4	1.7500	71.47	5 1/2	5.5000	224.61
1 13/16	1.8125	74.92			
1 7/8	1.8750	76.57	6	6.0000	245.03
1 15/16	1.9375	79.12	6 1/2	6.5000	265.45

Stock Widths 4', 5', 6', 8'

Stock Widths 8', 10', 12', 20'

Inquire Regarding: Sizes or grades not listed



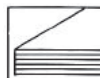
## FLOOR PLATE A-36 and .33 max C.



Size in Inches	Wt. per sq. ft.
16 (.062)	3.00
14 (.081)	3.75
11 (.1196)	6.15
$\frac{3}{16}$	8.71

Size in Inches	Wt. per sq. ft.
$\frac{1}{4}$	11.26
$\frac{5}{16}$	13.81
$\frac{3}{8}$	16.37
$\frac{1}{2}$	21.47
$\frac{5}{8}$	26.58

## HOT ROLLED SHEETS COMMERCIAL QUALITY



U.S.S. (Rev.) or Mfrs. Gauge Size, Inches	Est. Wt. per Sheet, Lb.
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U.S.S. (Rev.) or Mfrs. Gauge Size, Inches	Est. Wt. per Sheet, Lb.
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16 Ga.(.0598")Lb/sq. ft. 2.50

11 Ga.(.1196")Lb/sq. ft. 5.00

48 x 96	80.00
48 x 120	100.00
60 x 120	125.00
72 x 120	150.00

48 x 96	160.00
48 x 120	200.00
48 x 240	400.00
60 x 120	250.00
60 x 240	500.00
72 x 120	330.00

14 Ga.(.0747")Lb/sq. ft. 3.125

10 Ga.(.1345")Lb/sq. ft. 5.625

48 x 96	100.00
48 x 120	125.00
60 x 120	156.25
60 x 240	312.50
72 x 120	187.50
72 x 240	375.00

48 x 96	180.00
48 x 120	225.00
48 x 240	450.00
60 x 120	281.25
60 x 240	562.50
72 x 120	337.50
72 x 240	675.00

12 Ga.(.1046)Lb/sq. ft.4.375

7 Ga.(.1793")Lb/sq. ft. 7.50

48 x 96	140.00
48 x 120	175.00
48 x 240	350.00
60 x 120	218.75
60 x 240	437.50
72 x 120	262.50
72 x 240	525.00

48 x 96	240.0
48 x 120	300.0
48 x 240	600.0
60 x 120	375.0
60 x 240	750.0
72 x 120	450.0
72 x 240	900.0

# Carbon Steel Expanded Metal



Style Designation	Standard Shee Size (Feet)		Design Size (Inches)		Size in Opening in (Inches)		Strand Size In (Inches)		Overall Thickness
	Width	Length	Width	Length	Width	Length	Width	Thickness	
1/4 x #20	4	8	0.250	1.000	0.125	0.718	0.072	0.036	0.135
1/4 x #18	4	8	0.250	1.000	0.100	0.718	0.072	0.048	0.147
1/2 x #20	4	8	0.500	1.200	0.438	0.938	0.072	0.036	0.140
1/2 x #40	4	8	0.500	1.200	0.440	0.938	0.051	0.048	0.110
1/2 x #18	4	8	0.500	1.200	0.438	0.938	0.088	0.048	0.172
1/2 x #16	4	8	0.500	1.200	0.375	0.938	0.087	0.060	0.175
1/2 x #13	4	8	0.500	1.200	0.312	0.938	0.096	0.092	0.204
3/4 x #34	4	8	0.923	2.000	0.813	1.750	0.063	0.060	0.103
3/4 x #16	4	8	0.923	2.000	0.183	1.750	0.093	0.060	0.210
3/4 x #14	4	8	0.923	2.000	0.750	1.688	0.095	0.075	0.203
3/4 x #13	4	8	0.923	2.000	0.750	1.688	0.096	0.092	0.205
3/4 x #10	4	8	0.923	2.000	0.750	1.625	0.144	0.092	0.290
3/4 x #9	4&5	8&10	0.923	2.000	0.688	1.562	0.145	0.134	0.312
1 x #16	4	8	1.000	2.400	0.938	2.062	0.087	0.060	0.192
1-1/2 x #18	4	8	1.330	3.000	1.313	2.625	0.068	0.048	0.140
1-1/2 x #16	4	8	1.330	3.000	1.250	2.625	0.108	0.060	0.230
1-1/2 x #13	4	8	1.330	3.000	1.188	2.500	0.108	0.092	0.242
1-1/2 x #10	4	8	1.330	3.000	1.188	2.500	0.138	0.092	0.284
1-1/2 x #9	4&5	8&10	1.330	3.000	1.125	2.375	0.144	0.134	0.312
1-1/2 x #6	4&5	8&10	1.330	3.000	1.110	2.313	0.200	0.198	0.433
2 x #10	4	8	1.850	4.000	1.625	3.438	0.167	0.092	0.327
2 x #9	4	8	1.850	4.000	1.563	3.375	0.150	0.134	0.312

Inquire Regarding: Sizes or grades not listed

# Carbon Steel Expanded Metal



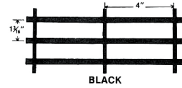
Style Designation	Wt./100 Sq.FT (Lbs)		Standard Shee Size (Feet)		Design Size (Inches)		Size in Opening in (Inches)		Strand Size In (Inches)		Overall Thickness	
	Width	Length	Width	Length	Width	Length	Width	Length	Width	Length	Thickness	Thickness

**FLATTENED**

1/4 x #20	87	4	8	0.250	1.050	0.084	0.715	0.084	0.084	0.030	0.030	0.030
1/4 x #18	113	4	8	0.250	1.050	0.075	0.715	0.075	0.084	0.040	0.040	0.040
1/2 x #20	40	4	8	0.500	1.250	0.375	1.000	0.375	0.079	0.029	0.029	0.029
1/2 x #40	38	4	8	0.500	1.250	0.380	1.000	0.380	0.056	0.040	0.040	0.040
1/2 x #18	66	4	8	0.500	1.250	0.312	1.000	0.312	0.097	0.039	0.039	0.039
1/2 x #16	82	4	8	0.500	1.250	0.312	1.000	0.312	0.096	0.050	0.050	0.500
1/2 x #13	147	4	8	0.500	1.250	0.265	1.000	0.265	0.112	0.070	0.070	0.070
3/4 x #34	32	4	8	0.923	2.100	0.750	1.750	0.750	0.080	0.050	0.050	0.500
3/4 x #16	51	4	8	0.923	2.100	0.750	1.750	0.750	0.111	0.048	0.048	0.048
3/4 x #14	67	4	8	0.923	2.100	0.688	1.813	0.688	0.112	0.061	0.061	0.061
3/4 x #13	81	4	8	0.923	2.100	0.688	1.781	0.688	0.115	0.070	0.070	0.070
3/4 x #10	114	4	8	0.923	2.100	0.637	1.755	0.637	0.160	0.070	0.070	0.070
3/4 x #9	168	4&5	8&10	0.923	2.100	0.563	1.688	0.563	0.162	0.120	0.120	0.120
1 x #16	45	4	8	1.000	2.500	0.813	2.250	0.813	0.108	0.050	0.050	0.050
1-1/2 x #16 (lt.)	29	4	8	1.330	3.200	1.175	2.620	1.175	0.093	0.050	0.050	0.050
1-1/2 x #16 (hvy.)	40	4	8	1.330	3.200	1.062	2.750	1.062	0.125	0.048	0.048	0.048
1-1/2 x #14	46	4	8	1.330	3.200	1.062	2.750	1.062	0.134	0.060	0.060	0.060
1-1/2 x #13	65	4	8	1.330	3.200	1.062	2.750	1.062	0.132	0.070	0.070	0.070
1-1/2 x #9	120	4&5	8&10	1.330	3.200	1.000	2.563	1.000	0.166	0.110	0.110	0.110

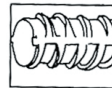
Inquire Regarding: Sizes or grades not listed

## STEEL GRATING



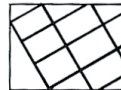
Size No.	Size Inches	Weight Lbs. Sq. Ft.
1	3/4 X 1/8	4.1
2	3/4 x 3/16	5.8
3	1 x 1/8	5.2
4	1 x 3/16	7.5
5	1 1/4 x 1/8	6.3
6	1 1/4 x 3/16	9.1
7	1 1/2 x 1/8	7.4
8	1 1/2 x 3/16	10.8
9	1 3/4 x 3/16	12.5
1	2 x 3/16	14.1
11	2 1/4 x 3/16	15.8
12	2 1/2 x 3/16	17.4

## REBAR



BAR NBR.	EQUIV. SIZE	DIA. INCHES	WEIGHT PER FT.	WEIGHT PER 20'	WEIGHT PER 40'
2	1/4	.254	.167	3.34	6.68
3	3/8	.376	.376	7.52	15.04
4	1/2	.500	.668	13.36	26.72
5	5/8	.625	1.043	20.86	41.72
6	3/4	.750	1.502	30.04	60.08
7	7/8	.875	2.044	40.88	81.76
8	1	1.000	2.670	53.40	106.80
9	1 1/8	1.128	3.400	68.00	136.00
10	1 1/4	1.270	4.303	86.06	172.12

## REMESH



SIZE	SPACING OF WIRE		SIZE OF WIRES		WT. PER 100 SQ. FT.
	LONGIT	TRANS	LONGIT	TRANS	
4 X 4/4 X 4	4	4	4	4	85
6 X 6/4 X 4	6	6	4	4	58
6 X 6/6 X 6	6	6	6	6	42
6 X 6/10 X 10	6	6	10	10	21

Weights and Dimensions of Plain End Seamless and Welded Pipe

Pipe Size	O.D. Inches	5	10	20	30	40	STD.	60	80	XH	100	120	140	160	XXH
1/8	0.405	.035 <b>.1383</b>	.049 <b>.1863</b>	X	X	.068 <b>.2447</b>	.068 <b>.2447</b>	X	.095 <b>.3145</b>	.095 <b>.3145</b>	X	X	X	X	X
1/4	0.540	0.049 <b>.2570</b>	.065 <b>.3297</b>	X	X	.088 <b>.4248</b>	.088 <b>.4248</b>	X	.119 <b>.5351</b>	.119 <b>.5351</b>	X	X	X	X	X
3/8	0.675	0.049 <b>.3276</b>	.065 <b>.4235</b>	X	X	.091 <b>.5676</b>	.091 <b>.5676</b>	X	.126 <b>.7388</b>	.126 <b>.7388</b>	X	X	X	X	X
1/2	0.840	.065 <b>.5383</b>	.109 <b>.6710</b>	X	X	.133 <b>.8510</b>	.133 <b>.8510</b>	X	.147 <b>1.088</b>	.147 <b>1.088</b>	X	X	X	.187 <b>1.304</b>	.294 <b>1.714</b>
3/4	1.050	.065 <b>.6838</b>	.083 <b>.8572</b>	X	X	.113 <b>1.131</b>	.113 <b>1.131</b>	X	.154 <b>1.474</b>	.154 <b>1.474</b>	X	X	X	.218 <b>1.937</b>	.308 <b>2.441</b>
1	1.315	.065 <b>.8678</b>	.109 <b>1.404</b>	X	X	.133 <b>1.679</b>	.133 <b>1.679</b>	X	.179 <b>2.172</b>	.179 <b>2.172</b>	X	X	X	.250 <b>2.844</b>	.358 <b>3.659</b>
1 1/4	1.660	.065 <b>1.107</b>	.109 <b>1.806</b>	X	X	.140 <b>2.273</b>	.140 <b>2.273</b>	X	.191 <b>2.997</b>	.191 <b>2.997</b>	X	X	X	.250 <b>3.765</b>	.382 <b>5.214</b>
1 1/2	1.900	.065 <b>1.274</b>	.109 <b>2.085</b>	X	X	.145 <b>2.718</b>	.145 <b>2.718</b>	X	.200 <b>3.631</b>	.200 <b>3.631</b>	X	X	X	.281 <b>4.859</b>	.400 <b>6.408</b>
2	2.375	.065 <b>1.604</b>	.109 <b>2.638</b>	X	X	.154 <b>3.653</b>	.154 <b>3.653</b>	X	.218 <b>5.022</b>	.218 <b>5.022</b>	X	X	X	.343 <b>7.444</b>	.436 <b>9.029</b>
2 1/2	2.875	.083 <b>2.475</b>	.120 <b>3.531</b>	X	X	.203 <b>5.793</b>	.203 <b>5.793</b>	X	.276 <b>7.661</b>	.276 <b>7.661</b>	X	X	X	.375 <b>10.01</b>	.552 <b>13.70</b>
3	3.500	.083 <b>3.029</b>	.120 <b>4.332</b>	X	X	.216 <b>7.576</b>	.216 <b>7.576</b>	X	.300 <b>10.25</b>	.300 <b>10.25</b>	X	X	X	.437 <b>14.32</b>	.600 <b>18.58</b>
3 1/2	4.000	.083 <b>3.472</b>	.120 <b>4.973</b>	X	X	.226 <b>9.109</b>	.226 <b>9.109</b>	X	.318 <b>12.51</b>	.318 <b>12.51</b>	X	X	X	.X <b>22.85</b>	.636 <b>22.85</b>
4	4.500	.083 <b>3.915</b>	.120 <b>5.613</b>	X	X	.237 <b>10.79</b>	.237 <b>10.79</b>	X	.337 <b>14.98</b>	.337 <b>14.98</b>	X	.437 <b>19.01</b>	X	.531 <b>22.51</b>	.674 <b>27.54</b>
4 1/2	5.000	X	X	X	X	X	.247 <b>12.53</b>	X	X	.355 <b>17.61</b>	X	X	X	X	.710 <b>32.53</b>
5	5.563	.109 <b>6.349</b>	.134 <b>7.770</b>	X	X	.258 <b>14.62</b>	.258 <b>14.62</b>	X	.375 <b>20.78</b>	.375 <b>20.78</b>	X	.500 <b>27.04</b>	X	.625 <b>32.96</b>	.750 <b>38.55</b>

LIGHT FIGURES - WALL THICKNESS IN INCHES

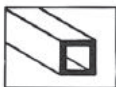
BOLD FIGURES - WEIGHT PER FOOT IN PC

## Weights and Dimensions of Plain End Seamless and Welded Pipe

Pipe Size	O.D. Inches	5	10	20	30	40	STD.	60	80	XH	100	120	140	160	XXH
6	6.625	.109 <b>7.585</b>	.134 <b>9.239</b>	X	X	.280 <b>18.97</b>	.280 <b>18.97</b>	X	.432 <b>28.57</b>	.432 <b>28.57</b>	X	.562 <b>36.39</b>	X	.718 <b>45.30</b>	.864 <b>53.16</b>
7	7.625	X	X	X	X	.301 <b>23.57</b>	.301 <b>23.57</b>	X	X	.500 <b>38.05</b>	X	X	X	X	.875 <b>63.08</b>
8	8.625	.109 <b>9.914</b>	.148 <b>13.4</b>	.250 <b>22.36</b>	.277 <b>24.70</b>	.322 <b>28.55</b>	.322 <b>28.55</b>	.406 <b>35.64</b>	.500 <b>43.39</b>	.500 <b>43.39</b>	.593 <b>50.87</b>	.718 <b>60.93</b>	.812 <b>67.76</b>	.906 <b>74.69</b>	.875 <b>72.42</b>
9	9.625	X	X	X	X	.342 <b>33.90</b>	.342 <b>33.90</b>	X	X	.500 <b>48.72</b>	X	X	X	X	X
10	10.750	.134 <b>15.19</b>	.165 <b>18.7</b>	.250 <b>28.04</b>	.307 <b>34.24</b>	.365 <b>40.48</b>	.365 <b>40.48</b>	.500 <b>54.74</b>	.593 <b>64.33</b>	.500 <b>54.74</b>	.718 <b>76.93</b>	.843 <b>89.20</b>	1.00 <b>104.1</b>	1.125 <b>115.7</b>	X
11	11.750	X	X	X	X	.375 <b>45.55</b>	.375 <b>45.55</b>	X	X	.500 <b>60.07</b>	X	X	X	X	X
12	12.750	.165 <b>22.18</b>	.180 <b>24.2</b>	.250 <b>33.38</b>	.33 <b>43.77</b>	.406 <b>53.53</b>	.375 <b>49.56</b>	.562 <b>73.16</b>	.687 <b>88.51</b>	.500 <b>65.42</b>	.843 <b>107.2</b>	1.000 <b>125.5</b>	1.125 <b>139.7</b>	1.312 <b>160.3</b>	X
14	14.000	X	.250 <b>36.71</b>	.312 <b>45.68</b>	.375 <b>54.57</b>	.437 <b>63.37</b>	.375 <b>54.74</b>	.593 <b>84.91</b>	.750 <b>106.1</b>	.500 <b>72.09</b>	.937 <b>130.7</b>	1.093 <b>150.7</b>	1.250 <b>170.2</b>	1.406 <b>189.1</b>	X
16	16.000	X	.250 <b>42.05</b>	.312 <b>52.36</b>	.375 <b>62.58</b>	.500 <b>82.77</b>	.375 <b>62.58</b>	.656 <b>107.5</b>	.843 <b>136.5</b>	.500 <b>82.77</b>	1.031 <b>164.8</b>	1.218 <b>192.3</b>	1.437 <b>223.5</b>	1.593 <b>245.1</b>	X
18	18.000	X	.250 <b>47.39</b>	.312 <b>59.03</b>	.437 <b>82.06</b>	.562 <b>104.8</b>	.375 <b>70.95</b>	.937 <b>138.2</b>	.970 <b>170.8</b>	.500 <b>93.45</b>	1.156 <b>208.</b>	1.375 <b>244.1</b>	1.562 <b>274.2</b>	1.781 <b>308.5</b>	X
20	20.000	X	.250 <b>52.73</b>	.375 <b>78.60</b>	.500 <b>104.1</b>	.593 <b>122.9</b>	.375 <b>78.60</b>	.812 <b>166.4</b>	1.031 <b>208.9</b>	.500 <b>104.1</b>	1.280 <b>256.1</b>	1.500 <b>296.4</b>	1.750 <b>341.1</b>	1.968 <b>379.0</b>	X
24	24.000	X	.250 <b>63.41</b>	.375 <b>94.62</b>	.562 <b>140.8</b>	.687 <b>171.2</b>	.375 <b>94.62</b>	.968 <b>238.1</b>	1.218 <b>296.4</b>	.500 <b>125.5</b>	1.531 <b>367.4</b>	1.812 <b>429.4</b>	2.062 <b>483.1</b>	2.343 <b>541.90</b>	X

LIGHT FIGURES - WALL THICKNESS IN INCHES

BOLD FIGURES - WEIGHT PER FOOT IN PC



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.	
$1/2 \times 1/2$	.065	.384	
$5/8 \times 5/8$	.065	.495	
$3/4 \times 3/4$	.049	.467	
	.065	.605	
	.078	.697	
	.083	.753	
	.120	1.028	
$7/8 \times 7/8$	.065	.716	
1 X 1	0.35	.459	
	.049	.634	
	.065	.827	
	.072	.909	
	.083	1.035	
	.095	1.169	
	.109	1.320	
$1 1/4 \times 1 1/4$	.120	1.436	
	.035	.578	
	.065	1.047	
	.083	1.317	
	.072	1.182	
	.083	1.317	
	.095	1.492	
	.109	1.691	
	.120	1.844	
*	.134	2.030	
	.135	1.890	
*	.188	2.400	
$1 1/2 \times 1 1/2$	.064	1.175	
	.065	1.268	
	.083	1.599	
	.095	1.815	
	.109	2.062	
	.120	2.252	
	.134	2.330	
	*	.145	2.530
		.188	3.040
*	.250	3.700	
$1 3/4 \times 1 3/4$	.049	1.113	

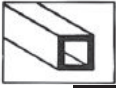


## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING

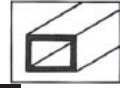


SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
	.065	1.489
	.083	1.881
	.109	2.433
	.120	2.660
	.188	3.680
2 X 2	.049	1.300
	.065	1.710
	.083	2.164
	.095	2.461
	.109	2.802
	.120	3.050
	.134	3.250
	.148	3.540
*	.154	3.650
	.188	4.320
	.250	5.410
2.17 x 2.17	.120	3.346
2 <sup>1</sup> / <sub>4</sub> x 2 <sup>1</sup> / <sub>4</sub>	.120	3.480
	.188	4.960
2 <sup>1</sup> / <sub>2</sub> X 2 <sup>1</sup> / <sub>2</sub>	.083	2.730
	.120	3.900
	.188	5.590
	.250	7.110
2.53 x 2.53	.250	7.210
3 X 3	.083	3.290
	.120	4.750
	.188	6.870
	.250	8.810
	.313	10.580
	.375	12.170
3 <sup>1</sup> / <sub>2</sub> X 3 <sup>1</sup> / <sub>2</sub>	.109	5.030
	.120	5.610
	.188	8.150
	.250	10.510
	.313	12.700
	.375	14.720





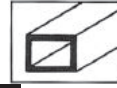
## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
4 x 4	.083	4.420
	.120	6.460
	.188	9.420
	.250	12.210
	.313	14.830
	.375	17.270
4½ x 4½	.500	21.630
	.188	10.700
	.250	13.910
	.313	
	.375	
5 x 5	.500	28.430
	.188	11.970
	.250	15.620
	.313	19.080
	.375	22.370
6 x 6	.500	28.430
	.188	14.530
	.250	19.020
	.313	23.340
	.375	27.480
7 x 7	.500	35.240
	.188	17.080
	.250	22.420
	.313	27.590
	.375	32.580
8 X 8	.500	42.050
	.188	19.630
	.250	25.820
	.313	31.840
	.375	37.690
9 x 9	.500	48.850
	.625	59.320
	.313	36.100
	.375	
	.500	
10 X 10	.625	76.330
	.188	24.730
	.250	32.630
	.313	40.350
	.375	47.900
	.500	62.460
	.625	76.330



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
12 X 12	.250	39.430
	.313	48.860
	.375	58.100
	.500	76.070
14 X 14	.500	89.680
-----		
½ X 1	.065	.605
½ X 1½	.065	.827
¾ X 1½	.065	.937
	.083	1.176
1 X 1¼	.120	1.640
1 X 1½	.065	1.047
	.083	1.317
	.120	1.844
1 x 1¾	.065	1.135
1 x 2	.065	1.268
	.072	1.434
	.083	1.599
	.095	1.790
	.120	2.252
1 x 2½	.083	1.881
	.120	2.660
1 x 3	.065	1.710
	.083	2.164
	.120	3.050
1¼ x 1¾	.190	3.385
1¼ x 2	.083	1.741
	.120	2.456
1¼ x 2½	.083	2.023
1¼ x 3	.083	2.300
1¼ x 3.703	.065	2.042



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
1½ x 2	.065	1.489
	.083	1.881
	.120	2.660
1½ x 2½	.083	2.164
	.120	3.050
	.188	4.320
	.250	5.410
1½ x 3	.083	2.45
	.120	3.480
	.188	4.960
1½ x 3½	.095	3.030
1½ x 4	.120	4.330
2 x 3	.083	2.730
	.095	3.110
	.120	3.900
	.188	5.590
	.250	7.110
	.313	8.450
2 x 4	.083	3.290
	.120	4.750
	.188	6.870
	.250	8.810
	.313	10.580
2 x 5	.120	5.610
	.188	8.150
	.250	10.510
2 x 6	.120	6.460
	.188	9.240
	.250	12.210
	.313	14.830
	.375	17.270
2 x 8	.188	11.970
	.250	15.620
	.313	19.080
2 x 10	.188	14.530
	.250	19.020

Inquire Regarding: Sizes or grades not listed



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
2 x 12	.188	17.080
	.250	22.420
2½ x 3½	.188	6.870
	.250	8.810
2½ x 4	.120	5.180
2½ x 5	.120	6.030
	.188	8.780
	.250	11.360
3 x 4	.120	5.610
	.188	8.150
	.250	10.510
	.313	12.700
3 x 5	.375	14.720
	.120	6.460
	.188	9.420
	.250	12.210
	.313	14.830
3 x 6	.375	17.270
	.500	21.630
	.120	7.310
	.188	10.700
	.250	13.910
3 x 7	.313	16.960
	.375	19.820
	.500	25.030
	.250	15.620
3 x 8	.375	22.370
	.188	13.250
	.250	17.320
	.313	21.210
3 x 10	.375	24.930
	.500	31.840
	.188	15.800
	.250	20.720
3 x 12	.188	18.350
	.250	24.120

Inquire Regarding: Sizes or grades not listed



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING

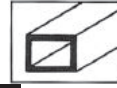


SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
4 x 5	.188	10.700
	.250	13.910
4 x 6	.188	11.970
	.250	15.620
	.313	19.080
	.375	22.370
	.500	28.430
4 x 7	.250	17.320
	.375	24.930
	.500	31.840
4 x 8	.188	14.530
	.250	19.020
	.313	23.340
	.375	27.480
	.500	35.240
4 x 10	.188	17.080
	.250	22.420
	.313	27.590
	.375	32.580
	.500	42.050
4 x 12	.188	19.630
	.250	25.820
	.313	31.840
	.375	37.690
	.500	48.850
5 x 7	.188	14.530
	.250	19.020
	.313	23.340
	.375	27.480
	.550	35.240
5 x 8	.312	25.460
5 x 10	.250	24.120
	.375	35.140
6 x 8	.188	17.080
	.250	22.420
	.313	27.590
	.375	32.580
	.500	42.050

Inquire Regarding: Sizes or grades not listed



## SQUARE & RECTANGULAR STRUCTURAL STEEL TUBING



SIZE IN INCHES	WALL DEC.	WT. PER FT. LBS.
6 x 10	.188	19.630
	.250	25.820
	.313	31.840
	.375	37.690
	.500	48.850
6 x 12	.188	22.180
	.250	29.230
	.313	36.100
	.375	42.790
	.500	55.660
7 x 9	.188	19.630
	.250	25.820
8 x 10	.250	29.290
	.375	42.790
	.500	55.660
8 x 12	.250	32.630
	.313	40.350
	.375	47.900
	.500	62.460
8 x 16	.313	48.860
	.500	76.070

**PAINTED STEEL "C" PURLINS  
COMMERCIAL QUALITY  
ASTM A-36**

Size in ins.	Weight (#/FT) .072" 14 GA.
3 X 1 ½	1.650
4 x 1 ½	1.950
4 X 2	2.180
5 X 2	2.356
6 x 2	2.650
8 X 2 ½	3.400
10 X 2 ¾	4.050
12 X 3 ½	4.850

**PURLIN CLIPS**

Size in ins.	Weight (#/FT)
3" X 5"	10 GA.
5" X 7"	3/16"

**BASE ANGLE**

Size in ins.	Weight (#/FT) .072" 14 GA.
2 X 2	1.05
3 X 2	1.25
4 X 2	1.56

**PAINTED STEEL "Z" PURLINS  
COMMERCIAL QUALITY**

Size in ins.	Weight (#/FT) .072" 14 GA.
4	2.18
6	2.65
8	3.40

**RECEIVER CHANNEL**

Size in ins.	Weight (#/FT) .072" 14 GA.
4 3/16 X 2	1.95
6 3/16 X 2 1/2	2.65
8 3/16 X 3	3.40

Inquire Regarding: Sizes or grades not listed

# NOTES

## Pipe Weight Calculation

OD - Wall thickness

x Wall x 10.68 = wt/ft

## Plate Weight Calculation

.2836 times dec. thickness = x

x times width in inches = Y

Y times length in inches =  
Weight Per Square Foot

SQ. Ft. x 40.84 x dec. thickness =  
Weight Per Piece

## Bar Weight Calculation

To find the weight (pounds) of one foot:

Rounds: Square of the diameter in  
inches x 2.67

Squares: Square of the diameter in  
inches x 3.4

Flats: Width x thickness x 3.4



## Gauge Decimals

FOR ACCURACY, SPECIFY BY DECIMAL-NOT GAGE

Steel Sheets <small>*Manufactures Std.</small>		G A G E no.	Strip & Tubing <small>Birmingham or S.L.B.</small>	
Gauge Decimal	WEIGHT Lbs Per Sq Ft. Sheet STEEL		Gauge Decimal	WEIGHT Lbs Per Sq Ft. Sheet STRIP
		000000		
		00000	.500	20.40
		0000	.454	18.52
		000	.425	17.34
		00	.380	15.30
		0	.340	13.87
		1	.300	12.240
		2	.284	11.587
.2391	10.00	3	.259	10.567
.2242	9.375	4	.238	9.710
.2092	8.75	5	.220	8.976
.1943	8.125	6	.203	8.282
.1793	7.50	7	.180	7.344
.1644	6.875	8	.165	6.732
.1495	6.250	9	.148	6.038
.1345	5.625	10	.134	5.467
.1196	5.00	11	.120	4.896
.1046	4.375	12	.109	4.447
.0897	3.75	13	.095	3.876
.0747	3.125	14	.083	3.386
.0673	2.813	15	.072	2.938
.0598	2.50	16	.065	2.652
.0538	2.25	17	.058	2.366
.0478	2.00	18	.049	1.999
.0718	1.75	19	.042	1.714
.0359	1.50	20	.035	1.428
.0329	1.375	21	.032	1.306
.0299	1.25	22	.028	1.142
.0269	1.125	23	.025	1.020
.0239	1.00	24	.022	.898
.0209	.857	25	.020	.816
.0179	.750	26	.018	.734
.0164	.688	27	.016	.651
.0149	.625	28	.014	.571
.0135	.563	29	.013	.530
.0120	.500	30	.012	.490
.0105	.438	31	.010	.408
.0097	.406	32	.009	.367
.0090	.375	33	.008	.326
.0082	.344	34	.007	.286
.0075	.313	35	.005	.204
.0067	.281	36	.004	.163
.0064	.266	37		
.0060	.250	38		

# Fractions, Decimals, Millimeters

	DECIMALS	MILLIMETERS	MILLIMETERS	DECIMALS	
1/64	.0156	0.3969	13.0969	.5156	33/64
1/32	.0313	0.7938	13.4938	.5313	17/32
3/64	.0469	1.1906	13.8906	.5469	35/64
1/16	.0625	1.5875	14.2875	.5625	9/16
5/64	.0781	1.9844	14.6844	.5781	37/64
3/32	.0938	2.3813	15.0813	.5938	19/32
7/64	.1094	2.7781	15.4781	.6094	39/64
1/8	.125	3.1750	15.8750	.625	5/8
9/64	.1406	3.5719	16.2719	.6406	41/64
5/32	.1563	3.9688	16.6688	.6563	21/32
11/64	.1719	4.3656	17.0656	.6719	43/64
3/16	.1875	4.7625	17.4625	.6875	11/16
13/64	.2031	5.1594	17.8594	.7031	45/64
7/32	.2188	5.5563	18.2563	.7188	23/32
15/64	.2344	5.9531	18.6531	.7344	47/64
1/4	.250	6.3500	19.0500	.750	3/4
17/64	.2656	6.7469	19.4469	.7656	49/64
9/32	.2813	7.1438	19.8438	.7813	25/32
19/64	.2969	7.5406	20.2406	.7969	51/64
5/16	.3125	7.9375	20.6375	.8125	13/16
21/64	.3281	8.3344	21.0344	.8281	53/64
11/32	.3438	8.7313	21.4313	.8438	27/32
23/64	.3594	9.1281	21.8281	.8594	55/64
3/8	.375	9.5250	22.2250	.875	7/8
25/64	.3906	9.9219	22.6219	.8906	57/64
13/32	.4063	10.3188	23.0188	.9063	29/32
27/64	.4219	10.7156	23.4156	.9219	59/64
7/16	.4375	11.1125	23.8125	.9375	15/16
29/64	.4531	11.5094	24.2094	.9531	61/64
15/32	.4688	11.9063	23.6063	.9688	31/32
31/64	.4844	12.3031	25.0031	.9844	63/64
1/2	.500	12.7000	25.4000	1.000	1

*Notes*

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